
Office of River Protection Briefing to the Oregon Hanford Cleanup Board

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Acting Manager
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CH2MHILL
Hanford Group, Inc.



Bechtel National, Inc.



**Washington Group
International**



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safety



performance



cleanup



closure

Cleanup Achievements

- Waste Treatment and Immobilization Plant (WTP)
 - Certification of the WTP Revised Ground Motion (RGM)
 - Resume Construction on Pretreatment Facility and High-Level Waste Facility
 - Deputy Secretary approved project baseline
 - WTP goes GREEN
 - Voluntary Protection Program application
 - Certification of Bechtel National, Inc. Earned Value Management System
 - Completed all three milestones on schedule
 - M-62-03 Submitted the RCRA Delisting Petition
 - M-62-01N and M-62-01O WTP Semi-Annual Compliance reports



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High-Level Waste Facility – resumption of construction



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Cleanup Achievements

- Final steel placement on the Analytical Laboratory
- Placement of steel siding



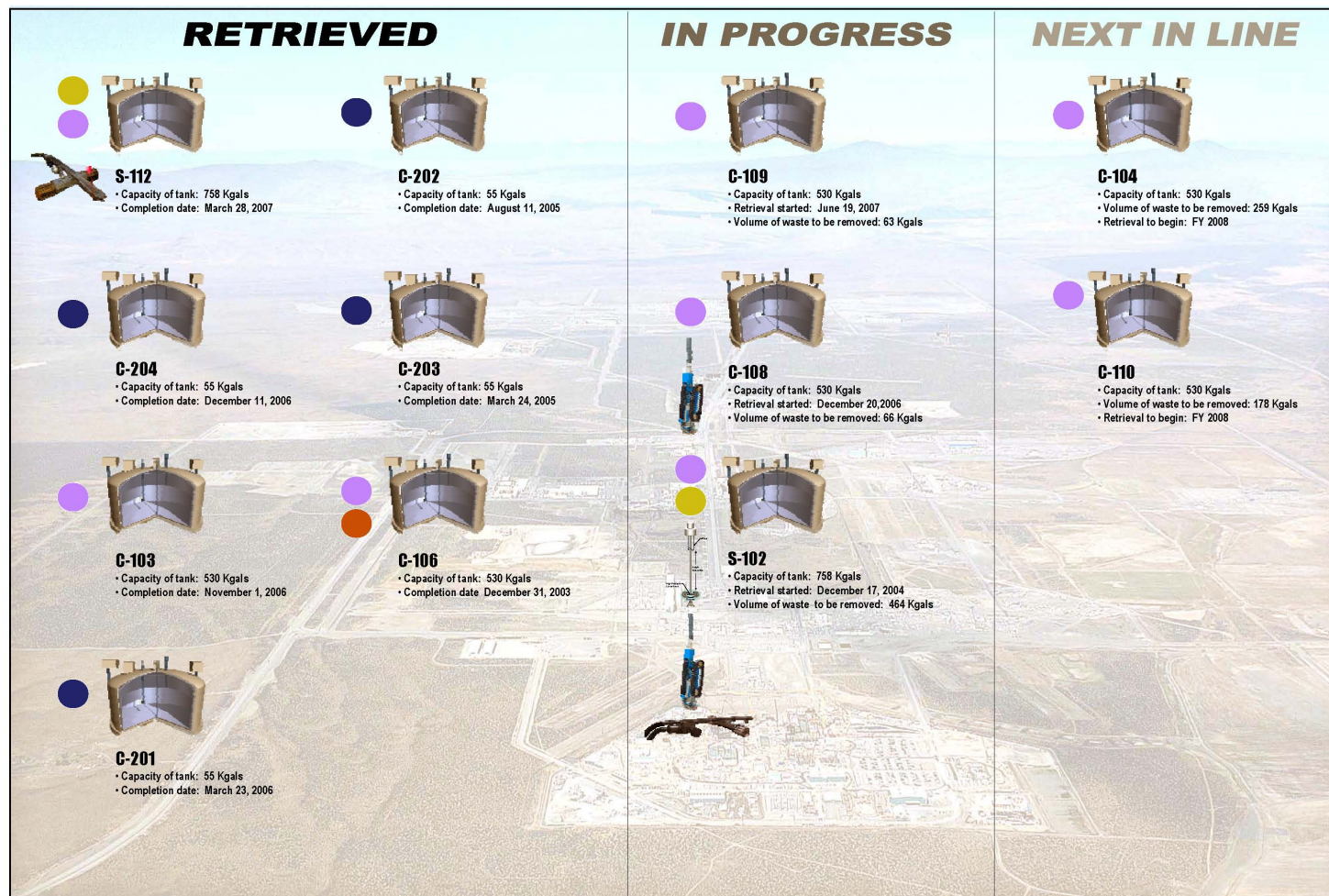
- Low-Activity Waste Facility
 - Enclosure of facility
 - Completion of roof
 - Placement of roof stack



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Retrieval Summary Updated through July 1, 2007

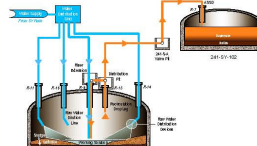
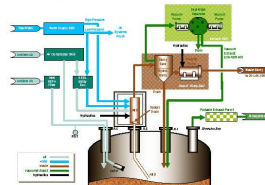
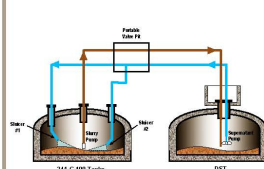
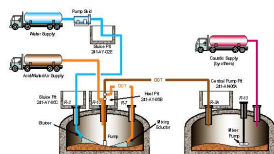


● Acid Dissolution

● Modified Sluicing

● Vacuum Retrieval

● Saltcake Dissolution



Remote Water Lance (Salt Mantis)

Mobile Retrieval Tool (Sand Mantis)

Mobile Retrieval Tool (Foldtrack)

High Pressure Mixer (Rotary Viper)

Tank Farm Achievements

- Certification of CH2M HILL Hanford Group, Inc. Earned Value Management System – the first in complex
- Tank Farm Baseline approved and project Status “Green”
- Retrieved seventh single-shell tank (SST) S-112
- Demonstration Bulk Vitrification System full scale dryer and integrated melt test completed
- Evaporated 1.24 M gallons of waste
- Deployed five new tank retrieval technologies
- Double-Shell Tank (DST) integrity activities
 - Completed 4 DST ultrasonic testing and video assessments
 - Completed seismic modeling and studies to evaluate and confirm DST Integrity
- First time working five different SSTs at different stages



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Tank Farm Achievements (continued)

- Seven of the 14 Tank Farm milestones met
- Seven missed Milestones include
 - M-62-11 - Supplemental Treatment final baseline (follow-on to M-62-08) was missed
 - M-45-00C-A - Complete negotiations for additional retrievals
 - M-45-05A - Complete S-102 retrieval
 - M-45-05-T05 - Initiate 5 additional tank retrievals
 - M-45-55/58/60 - Complete RFI/CMS (change request submitted to Ecology)



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Need for the TC & WM EIS

- The TC & WM EIS will enable DOE to:
 - Properly disposition the Fast Flux Test Facility (FFTF)
 - Implement an on-site pathway for disposal of mixed wastes from the tank farms, other Hanford operations and off-site locations
 - Close the tank farms
 - Baseline Waste Treatment Plant and supplemental treatment technologies



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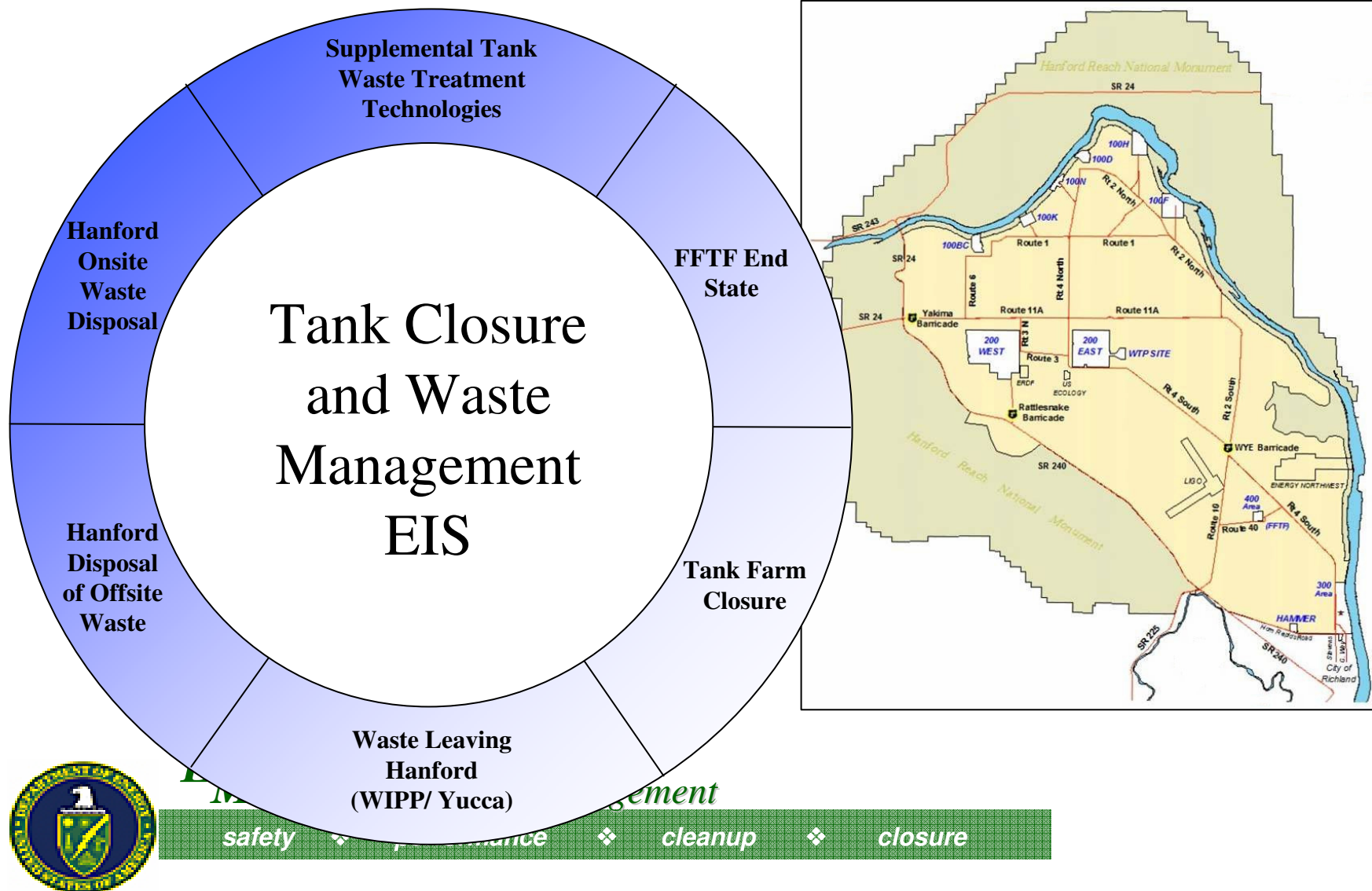


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Needs to be supported by the TC & WM EIS



TC & WM EIS Public Involvement

- Implementation of the TC & WM EIS Public Involvement strategy has resulted in the following since January 2007:
 - 13 Groundwater related workshops
 - 3 Stakeholder topic selected workshops
 - 7 Briefings to the Hanford Advisory Board (HAB)
 - 1 National Historic Preservation meeting
 - 2 Quarterly meetings (CTUIR and Nez Perce)



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TC & WM EIS Public Involvement (continued)

- Additional technical exchange is planned
 - October 2007 Yakama Indian Nation Quarterly meeting
 - December 2007 Model Technical Review Group Report rollout



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Project Management Key Dates

- Deliver TC & WM EIS to DOE for review – February 8, 2008
- Headquarters Review – March 3-14, 2008
- Camera Ready TC & WM EIS – April 14, 2008
- Publish Notice of Availability in Federal Register – May 20, 2008



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Cleanup Challenges

- WTP
 - Resolving outstanding technical issues
 - Quality Assurance
 - Safety
 - Consistent and predictable funding
 - Staffing the workforce
- Tank Farm
 - S-102 event
 - Retrieving waste
 - Supplemental treatment solution



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Look Ahead

- Tri-Party Agreement
- Tank Closure and Waste Management Environmental Impact Statement (TC & WM EIS)
- WTP
 - Ramp up full construction
 - Pretreatment Experimental Platform startup
- Tank Farms
 - Demonstration Bulk Vitrification System
 - Pretreatment at Tank Farms
 - Complete retrieval from two Single-Shell Tanks using innovative technologies (C-108 and C-109)
 - Continue Double-Shell Tank integrity activities
 - Perform 242-A Evaporator campaign
 - Continue characterization for Tank Farm soils



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